PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 80601F	FOR FURTHER ACTION See Form PCT/IPEA/416											
International application No.	International filing date (day/month/year)	Priority date (day/month/year)										
PCT/FI2005/000038	19-01-2005	19-01-2004										
International Patent Classification (IPC)	or national classification and IPC	!										
See Supplemental Box												
Applicant												
Applicant												
ELEKTRA NEUROMAG OY et al												
	eliminary examination report, established by ransmitted to the applicant according to Artic											
2. This REPORT consists of a total	of 8 sheets, including this co	over sheet.										
 This report is also accompanied b 	y ANNEXES, comprising:											
a. (sent to the applican	t and to the International Bureau) a total of	3 sheets, as follows:										
and/or sheets	sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).											
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.												
b. (sent to the Internation	onal Bureau only) a total of (indicate type an	d number of electronic carrier(s))										
form only, as indicate Administrative Instru	ed in the Supplemental Box Relating to Sequ	ng and/or tables related thereto, in electronic tence Listing (see Section 802 of the										
4. This report contains indications re	elating to the following items:											
	f the report											
Box No. II Priority	,											
Box No. III Non-es	ishment of opinion with regard to novelty, inventive step and industrial applicability											
Box No. IV Lack of	funity of invention	unity of invention										
	statement under Article 35(2) with regard to novelty, inventive step or industrial lity; citations and explanations supporting such statement											
	documents cited											
Box No. VII Certain	efects in the international application											
Box No. VIII Certain	observations on the international application	1										
Date of submission of the demand	Date of completion	Date of completion of this report										
	Sale of complete											
17-11-2005	26-01-200	6-01-2006										
Name and mailing address of the IPEA/SI	Authorized office	Authorized officer										
Patent- och registreringsverket Box 5055												
S-102 42 STOCKHOLM	Sture Eln	ās/MN										
Facsimile No. +46 8 667 72 88	Telephone No. +	46 8 782 25 00										

Form PCT/IPEA/409 (cover sheet) (April 2005)

International application No.

PCT/FI2005/000038

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Cover sheet

INTERNATIONAL PATENT CLASSIFICATION (IPC):

A61B 5/04 (2006.01) **G01R** 33/02 (2006.01) G01R 19/00 (2006.01)

International application No.

PCT/FI2005/000038

Box	No. I	Basis of the report										
1.	With r	regard to the language, this report is based on:										
	\boxtimes	the international application in the language in which it was filed										
		a translation of the international application into which is the language of a translation furnished for the purposes of: ,										
		international search (Rules 12.3(a) and 23.1(b))										
		publication of the international application (Rule 12.4(a))										
		international preliminary examination (Rules 55.2(a) and/or 55.3((a))									
2.	furnish	regard to the elements of the international application, this report is lished to the receiving Office in response to an invitation under Article 14 a are not annexed to this report):										
		the international application as originally filed/furnished										
	\boxtimes	the description:										
		pages 1-8										
		pages* received by this Auth										
	\square	the claims:	loney on									
			as originally filed/furnished									
			I (together with any statement) under Article 19									
		pages* 10-12 received by this Auth	ority on 17-11-2005									
		pages* received by this Auth	ority on									
	\boxtimes	the drawings:										
		pages 1	as originally filed/furnished									
			ority on									
		a sequence listing and/or any related table(s) – see Supplemental Box Rel	ating to Sequence Listing.									
3.		The amendments have resulted in the cancellation of:										
		the description, pages										
		the claims, Nos.										
		the drawings, sheets/figs										
		the sequence listing (specify):										
		any table(s) related to the sequence listing (specify):										
4.		This report has been established as if (some of) the amendments annex made, since they have been considered to go beyond the disclosure as fi 70.2(c)).										
		the description, pages										
		the claims, Nos.										
		the drawings, sheets/figs										
		the sequence listing (specify):										
		any table(s) related to the sequence listing (specify):										
*	If item	m 4 applies, some or all of those sheets may be marked "superseded."										

10/586448

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/F12005/000038

Box No. II	Priority IAP11 Rec'd I	PCT/PTO 18 JUL 2006
	his report has been established as if no priority had been claimed due to the failure mit the requested:	re to furnish within the prescribed time
	copy of the earlier application whose priority has been claimed (Rule 66.7(a))).
	translation of the earlier application whose priority has been claimed (Rule 6	66.7(b)).
inva	his report has been established as if no priority had been claimed due to the fact to valid (Rule 64.1). Thus for the purposes of this report, the international filing datelevant date.	that the priority claim has been found te indicated above is considered to be the
3. Additional	nal observations, if necessary:	
Taulu 2 Aug	priority is considered valid. Therefore et al, International Congress Series 1 agust 2004, Clinical applications of cation method", is of no relevance for the	.270 (2004) 32-37, the signal space
: 		
I		
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International application No.

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Box No	III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	stions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially ble have not been examined in respect of:
	the entire international application
\boxtimes	claims Nos. 1-10 (in part)
beca	use:
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):
	the description, claims or drawings (indicate particular elements below) or said claims Nosare so unclear that no meaningful opinion could be formed (specify):
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed (specify):
\square	no international search report has been established for said claims Nos. 1-10 (in part) a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:
	furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Preliminary Examining Authority in a form and manner acceptable to it. furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Preliminary Examining Authority in a form and manner acceptable to it. pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b) and 13ter.2.
	a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Preliminary Examining Authority in a form and manner acceptable to it.
	the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in the Annex C-bis of the Administrative Instructions.
	See Supplemental Box for further details.

International application No.

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims Claims	1-10	YES NO
Inventive step (IS)	Claims Claims	1-10	YES NO
Industrial applicability (IA)	Claims Claims	1-10	YES NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1:US5408178

D2:US2002/0151779

D3:US4793355 D4:EP0483698

D1 discloses a method for measurement of magnetic fields in an object. The document teaches that the orientation of the object is varied (column 2, column 11, lines 63-65). The magnetic field is induced by external coils. Methods of detection and the location of magnetic fields from a current source in a living brain are disclosed.

D2 describes a method of measurement of magnetic fields from a brain. To improve the sensitivity a procedure of voluntary eye movements is described (paragraph [0046]).

D3 discloses the measurement and the location of magnetic fields produced by a body. From the movement of the body, the location of the field is determined in the sense of the body coordinates.

D4 discloses a method to locate the currents in a brain independent of the position and orientation of the magnetometers with respect to the head (column 1, lines 38-45).

The invention according to the amended claims is generally stated and covers all kinds of signals from a movable object, while support in the meaning of PCT Article 6 only is given for biomagnetic signals.

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International application No.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: Box V

The document D1 is regarded as being the closest prior art to the subject-matter of claim 1.

The subject-matter of claim 1 differs from D1 in that the object is movable intentionally and unlimitedly. Furthermore, the relative movement is measured using the measuring instrument.

The subject-matter of claim 1 is therefore novel (Article 33(2) PCT).

- -The problem to be solved by the present invention may therefore be regarded as a method to compensate for movement of the object.
- -The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT).
- -Claims 2-10 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

The invention is industrially applicable.

Box No. VIII Certain observations on the international application

International application No.

PCT/FI2005/000038

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The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

The word "head" is missing in claim 9, last line.